

L33 ANSWER 28 OF 63 HCAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1997:204639 HCAPLUS Full-text  
 DOCUMENT NUMBER: 126:186932  
 TITLE: Energy ray-curable compositions and their cured  
 products with excellent dimensional precision  
 INVENTOR(S): ~~Abe~~, Tetsuya; Yoshioka, Ritsuko; Yokoshima, Minoru  
 PATENT ASSIGNEE(S): Nippon Kayaku Kk, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO. | DATE         |
|------------------------|------|----------|-----------------|--------------|
| JP 09012615            | A    | 19970114 | JP 1995-185087  | 19950629 <-- |
| PRIORITY APPLN. INFO.: |      |          | JP 1995-185087  | 19950629 <-- |

OTHER SOURCE(S): MARPAT 126:186932

ED Entered STN: 28 Mar 1997

AB The compns., suited for optical molding, contain ethylenically unsatd. compds., cationically-polymerizable compds., and sulfonium photopolymn. initiators containing thioxanthone structure. Cured products of above compns. are also claimed. Thus, 38.4 parts 2,4-di-Et thioxanthone was reacted with 23.8 parts 4,4'-difluorodiphenyl sulfoxide at 25° and further reacted with 619.9 parts NaSbF<sub>6</sub> aqueous solution (solid content 37.1 parts) to give a precipitate, 3 parts of which was blended with dipentaerythritol hexaacrylate 15, 3,4-epoxycyclohexylmethyl-3,4-epoxycyclohexane carboxylate 55, and bisphenol A divinyl ether 30 parts to give a composition Then, the composition was injected in a mold and photopolymd. to give a cone-shape cured product showing excellent mech. strength and dimensional precision.

IT 181144-51-4P

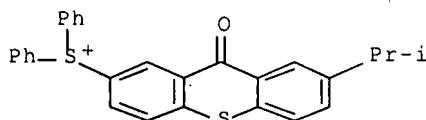
RL: CAT (Catalyst use); IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (sulfonium photopolymn. initiators containing thioxanthone structure for optical molding compns.)

RN 181144-51-4 HCAPLUS

CN Sulfonium, [7-(1-methylethyl)-9-oxo-9H-thioxanthen-2-yl]diphenyl-, hexafluorophosphate(1-) (9CI) (CA INDEX NAME)

CM 1

CRN 181144-50-3  
 CMF C28 H23 O S2



CM 2

CRN 16919-18-9  
 CMF F6 P

Serial No.:10/562,444

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